

WHAT IS CLAIMED IS:

- 5 1. A mechanism comprising a data transmission software in a memory of each of communication devices and a data transmission interface in each device respectively for establishing a connection between said devices through at least one signal line and effecting a data transmission therebetween wherein in transmitting data from one device to the other remote one, said data transmission software divides data into a plurality of units each having a predetermined size, said units are individually transmitted to the other device through said signal line, and said other device transmits said units through a wireless communication; and in receiving data, said data transmission software in said device receives said units sent from said remote other device, said received units are sent to one of said devices through said signal line, and said data transmission software in said device regroups said units to recover as an original data.
- 10 2. The mechanism of claim 1, wherein in transmitting data from one device to said other remote one, input instructions provided by said data transmission software by keying on one device for setting one device as a master and said other device as a slave, said data transmission software divides data into a plurality of units each having a predetermined size, individually transmits said units to said slave through said signal line, and utilize all channels belonging to said master and said slave for transmitting said units through said wireless communication.
- 15 3. The mechanism of claim 1, wherein said data transmission interface is a universal serial bus (USB).
- 20 4. The mechanism of claim 2, wherein when data is divided into a plurality of units by said master a unique identification (ID) associated with one device is assigned to each unit, said master sends each unit to said corresponding slave

based on said ID, said units received by said device are sent to said master for regrouping, and said data transmission software in said master assembles said units to recover as said original data.

5     5. The mechanism of claim 1, wherein said device comprises a central processing unit (CPU) capable of transmitting a record of data by performing the steps of:

      (a) inputting instructions provided by said data transmission software by keying on one device for setting one device as a master and said other device as a slave;

10     (b) determining whether a division of data is necessary by said data transmission software in said master;

      (c) if result in step (b) is positive dividing data into a plurality of units and assigning a unique identification (ID) associated with one device to each unit;

      (d) transmitting said units to said device through said signal line; and

15     (e) transmitting said units by said device.

6. The mechanism of claim 5, wherein if result in step (b) is negative causes said master to transmit data.

7. The mechanism of claim 5, wherein said CPU is capable of receiving said record of data by performing the steps of:

20     (f) receiving said associated units as determined by said data transmission software;

      (g) transmitting said units to said device set as said master through said signal line; and

25     (h) regrouping said units by said data transmission software in said master to recover as said original record of data.

8. The mechanism of claim 1, wherein said device is a mobile phone and data transmitted on said mobile phone is divided into a plurality of units each having a

predetermined size which is no more than a maximum size defined by an existing mobile phone communication protocol.

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